

OM Publications: Alaa Ali

Ali, A. I., "Non-Parametric Spatial Rainfall Characterization Using Adaptive Kernel Estimator", The Journal of Geographic Information and Decision Analysis, Vol. 2, No. 2, pp. 34-47, 1998.

Ali, A. I., W. Abteu, S. Van Horn, and N. Khanal, "Temporal and Spatial Analyses for Rainfall in Central and South Florida", AWRA, Vol 36, No 4, 2000.

Ali, A. I., and Lall, U., "A Continuous Parameter Semi-Markov Model for Stratigraphic Analyses from Well Log Data", Log Analyst, March-April, 1998.

Ali, A. I., and Lall, U., "A Kernel Estimator for Stochastic subsurface characterization from drill log data", Ground Water, 34, 4, 647, 1996

PUBLICATIONS in progress or submitted

Cadavid, Luis G., Trimble, P., Santee, R., White C., **Ali, A.**, and Obeysekera, J., "Use of Regional Simulation Models in Operational Hydrology in South Florida, submitted to American Society of Civil Engineers, 2000.

Lall, U., and **Ali, A. I.**, "A k-Nearest Neighbor Bootstrap Simulator of Pseudo-Bore Hole Logs for Subsurface Characterization", in preparation for submission to Water Resources. Research

Ali, A. I., and Lall, U., "Identifying Potential Preferential Paths for Subsurface Contaminant Transport Using Simulated Annealing", in preparation for submission to Water Resources. Research

Ali, A. I., and Lall, U., "A Nonhomogeneous Continuous Parameter Semi-Markov Model for Stratigraphic Analyses from Well Log Data", in process of submission to Mathematical Geology.

CONFERENCE PROCEEDINGS & PRESENTATIONS

Abteu W., A. Cadogan, **A. Ali**, T. Kosier, G. Germain, D. Wilikins, "Hydrologic Performance of an Everglades Storm Treatment Area-STA6: A constructed wetland", To be presented at ASAE meeting, June/1998.

Ali, A. I., "Statistical Postprocessing for Large and Irregular Data in Groundwater Modeling. Case Study: Roswell Artesian Basin, New Mexico", AGU Fall meeting, December, 1997.

Ali, A. I., and Lall, U., "Stochastic simulation of aquifer heterogeneity from drill log data using kernel method", Nato-ASI, Recent Advances in Groundwater Pollution Control and Remediation, Antalya, Turkey, 1995.

Ali, A. I., and Lall, U., "Stratigraphic interpretation from drill log data", In Stochastic Differential Equations with Applications-in Hydrology Dordrecht, K. Hipel (Eds), The Netherlands: Kluwer, 1994.

Ali, A. I., and Lall, U., "Stochastic characterization of aquifer heterogeneity from drill log data", AGU meeting, fall 1993.

Ali, A. I., and Lall, U., "Stochastic characterization of aquifer heterogeneity from drill log data", Stochastic and statistical methods in hydrology and environmental engineering, international conference: University of Waterloo, Ontario, Canada, 1993.

Ali, A. I., Anderson L. R., Sampaco C. L., Womack K. C., and Christiansen V. T., "Pullout capacity of flat-faced panel anchors for RSE walls", 28th Symposium on engineering geology and geotechnical engineering, Boise, Idaho, 1992.

RESEARCH AND TECHNICAL REPORTS

Ali, A. I., " A new Rainfall Driven Formula to Predict More Natural Flows to the Everglades Shark River Slough " , Technical Memorandum, Regional Modeling Division, Office of Modeling, 2004.

Ali, A. I., W. Abtew, S. Van Horn, and N. Khanal, "Frequency and Spatial Analyses for Monthly Rainfall in Central and South Florida", Technical Publication # 371 , SFWMD internal publications, West Palm Beach, Florida, Jan. 1998.

Ali, A. I., "Hydrologic Report of Lake Kissimmee Basin and Preferred Database Development", Technical Memorandum 361 , SFWMD internal publications, West Palm Beach, Florida, June 1998.

Ali, A. I., "Hydrologic Report of Reedy Creek Basin and Preferred Database Development", Technical Memorandum 373 , SFWMD internal publications, West Palm Beach, Florida, February 1999.

Ali, A. I. "Roswell Basin Groundwater Model, Efforts, Evaluation, and Recommendation", Technical memorandum submitted to New Mexico State Engineers Office, Santa Fe, New Mexico, July 1997

Ali, A. I. and Lall, U., "Interpretation of drill log data: DLOG3D-A probabilistic tool for analyzing subsurface soil variability" Technical report TR-93-HWR-UL/001, Utah Water Research Laboratory, Utah State University , Logan, UTAH, submitted to Utah Division of Water Rights, November, 1993.

Lall, U., and **Ali, A. I.**, "Nonparametric stratigraphic interpretation from drill log data", United States Geological Survey 104 Project completion, Technical report TR-92-HWR-UL/001, Utah Water Research Laboratory, Utah State University , Logan, UTAH., 1992.